Because Optimized Root Control Attachments are smaller than previous attachments, additional care & consideration should be taken when bonding to your patient’s teeth.

In order to minimize flash between the attachments, do not attempt to deposit the composite directly from the unidose capsule into the template. This method does not dispense small amounts well.

For better results, dispense the composite onto a dental composite spatula instrument (figure 1), then transfer the composite into the attachment well of the template and remove excess. (figure 2)

With Optimized Attachments, it is important that the Active Surfaces (figure 3) of the attachments remain intact and dimensionally accurate for the duration of treatment.

To prevent attachments from losing their shape or de-bonding, Align tested commonly used dental composite materials and found the following to be the top performing:

- Ivoclar Tetric EvoCeram *
  (with GC G-Bond bonding agent)

- 3M™ Filtek Supreme Plus
  (with 3M Adper Prompt L-Pop bonding agent)

- 3M™ Filtek Z250
  (with 3M Adper Prompt L-Pop bonding agent)

*Available direct from Ivoclar or from Align Technology, Inc. (Go to Store on Invisalign Doctor Site)

- Align Part #76010 Invisalign® Attachment Kit (enough for 3 typical procedures)
- Align Part #6007 Dental Composite for Attachment Kit (20 Pack)
**OPTIMIZED ATTACHMENTS FAQ**

**QUESTION**
Why is the shape of the Optimized Attachment different from the shape of the attachment recess in the aligner? Why do I see a gap between the attachment and the aligner?

**ANSWER**
The aligner shape in the area of the Optimized Attachment is NOT the same as the attachment. The software determines the shape of the aligner with two considerations:

1. The Active Surface of the aligner engages the Active Surface of the Optimized Attachment and produces the force required for tooth movement----there is no gap at the Active Surface.

2. Non-Active Surfaces have intentional gaps for clearance. No unwanted forces are produced.

**QUESTION**
Can I use a patient’s aligner to re-bond an Optimized Attachment that has fallen off?

**ANSWER**
1. It is not recommended to use the aligner to produce Optimized Attachments. This is because Optimized Attachments have a different shape than the recess in the aligner (see fig. 1), and they have Activation (see fig. 2), meaning that they are positioned by the template on the tooth with an offset relative to the position of the attachment recess in the aligner.

2. If an Optimized Attachment falls off or is broken during treatment, an additional attachment template may be ordered by calling Align Customer Care. If the situation requires a more immediate solution you may use the original attachment template and cut out the specific tooth to re-bond an Optimized Attachment.

For more information on using attachments for Invisalign treatment visit www.AlignTechInstitute.com/attachments
QUESTION
On an upper lateral with the Optimized Root Control feature, it appears the aligner is not seated on a portion of the tooth near the incisal edge. Is this normal?

ANSWER
In order to produce the desired force system, an aligner space is created between the tooth and the aligner along the incisal mesial or incisal distal aspect of the tooth. The aligner space is positioned on the aspect of the tooth opposite the attachment. The aligner space removes unwanted contacts that would produce unwanted forces. The aligner space appears only on the upper lateral with the Optimized Root Control Attachment.

QUESTION
If the Pressure Point and aligner space help the root movement for the lateral incisor, why are they not present on the central incisors?

ANSWER
The central incisors are larger teeth and generally have sufficient tooth surface to place two Root Control Attachments, so the Pressure Point and aligner space are not needed.